



COUNTY OF NEVADA
COMMUNITY DEVELOPMENT AGENCY

Building
Planning
Public Works
Environmental Health
Agricultural
Commissioner

TRANSIT SERVICES DIVISION

DATE: 8/1/13

TO: Transit Services Commission (TSC)
FROM: Susan Healy-Harman, Transit Services Manager

SUBJECT: Transit Services Division Project Updates

The following is a brief history and update on current Transit Services Division projects:

1) Transit Technology (Transit Tech)

Transit Services Division (TSD) received \$250,000 in funding through the Public Transportation Modernization, Improvement, and Service Enhancement Account (PTMISEA) for a phased capital project that includes the development and implementation of transit technologies for Gold Country Stage that will help improve fleet management, operational performance, and overall system reliability and productivity. The most recent Transit Development Plan (TDP) includes a recommendation to provide various transit technologies and devices for the Gold Country Stage that include a global positioning system (GPS) to support transit operations software, an automatic vehicle location system, computer aided dispatching, a travel information program, vehicle inspection and reporting capabilities, electronic tracking and reporting of vehicle idle, speed and diagnostics and other operational management activities. The Transit Tech project was approved by both the TSC and the Board of Supervisors and staff has moved forward with this project.

Transit tech capabilities allow for benefits that include:

- 1) Lower operating costs by reduced fuel and maintenance costs and improved vehicle and staff utilization.
- 2) Increased productivity by optimizing vehicle routing, route design, improved service reliability and on time performance.
- 3) Improve labor efficiency through electronic tracking, monitoring, reporting and planning that is currently performed manually.
- 4) Improved customer service and increased ridership by providing "real time" travel information, bus arrivals/departures and trip planning.
- 5) Improved accuracy of passenger counts and fare collection.

Transit Services staff has worked with the County IS and Purchasing Department to develop applicable specifications for the proposed technologies and an RFP was issued. Proposals were submitted and an award will be made for the vendor who presents the most comprehensive proposal solution. The successful proposal will include the abovementioned capabilities and also present a system that is compatible for future transit technology component upgrades such as an electronic fare system and security cameras.

2) Gold Country Stage Transit Technology & Bus Stop Improvement

Transit Services Division (TSD) received a total of \$186,501 in funding through the California Transit Security Grant Program, State Transit Assistance Fund, (CTSGP-CTAF) administered by the California Emergency Management Agency (Cal EMA) for a multi-phased project that includes the development, purchase, installation, and implementation of transit technology and bus stop improvement equipment to improve safety and security for Transit/Gold Country Stage passengers, staff and equipment. The most recent Transit Development Plan (TDP) includes a recommendation to transit technologies and bus stop improvements that include video cameras and bus shelter security devices and equipment. The Transit Technology & Bus Stop Improvement project was approved by both the TSC and the Board of Supervisors and staff has moved forward with this project.

Transit Services has developed a transit technology and safety phase of the project through the installation, construction and implementation of a security camera system and safety station at our new Tinloy Transit Center. The next phase of the project involves safety and security improvements at bus stop locations throughout the Gold Country Stage service area through the installation of solar lighting on the majority of our transit bus shelters.

Transit technology and bus stop improvement capabilities allow for benefits that include:

- 1) Increase overall safety and security for transit passengers, staff, equipment and the general public.
- 2) Increased response time for staff and first responders in case of emergencies.
- 3) Increased functionality for the placement and storage of operational and emergency supplies for use by Transit staff.
- 4) Enhanced safety, security and accessibility for passengers at bus shelters that will translate to increased system ridership.
- 5) Increased protection against vandalism at bus shelters that will reduce the costs associated with these activities.

Transit Services staff has worked with the County Department of Public Works and the IS and Facilities Departments to develop applicable specifications for the abovementioned technologies and improvements. The security camera system and safety station are completed. The installation of bus stop solar lighting is in process and should be completed by the end of this calendar year.